

48



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/991,764	11/26/2001	Mike Courtney	CNTW-011/00US	1637
22903	7590	02/24/2005	EXAMINER	
COOLEY GODWARD LLP ATTN: PATENT GROUP 11951 FREEDOM DRIVE, SUITE 1700 ONE FREEDOM SQUARE- RESTON TOWN CENTER RESTON, VA 20190-5061			LIN, WEN TAI	
			ART UNIT	PAPER NUMBER
			2154	
DATE MAILED: 02/24/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/991,764

Applicant(s)

COURTNEY, MIKE

Examiner

Wen-Tai Lin

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>1/8/02</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-21 are presented for examination.
2. In response to this office action, Applicant is reminded to provide further explanation of the listed items copending applications "CNTW-007" and "CNTW-008" (see page 1 of the specification) regarding ways to obtaining these documents, if they are accessible in the public, or else a copy of each is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Little et al.[U.S. PGPub 20030048287].

Art Unit: 2154

5. As to claim 1, Little teaches the invention as claimed including: an electronic method comprising:

accessing a network component; retrieving a command set [i.e., obtaining a set of functions from an embedded system] from the network component [Abstract; paragraphs 2, 4 and 6];

generating a representation [e.g., XML] of the retrieved command set [i.e., the retrieved functions implemented in CLI], wherein the generated representation corresponds to the network component; and

storing the generated representation [it is inherent that the generated XML file must have been stored in the system].

6. Claims 16-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Chorafakis et al.[U.S. PGPub 20030135508].

7. As to claim 16, Chorafakis teaches the invention as claimed including: a system comprising:

an intermediate schema representation (ISR) key storage module [Abstract; paragraph 10; e.g., indices associated with the dictionary module];

an ISR object storage module in communication with the ISR key storage module [Figs. 1 and 4]; and

a configuration manager in communication with the ISR object storage module [Abstract; e.g., the translator].

8. As to claim 17, Chorafakis teaches that the system further comprising: an ISR generator in communication with the ISR object storage module [e.g., 34, Fig.2].

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 2-3 and 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Little et al.(hereafter "Little")[U.S. PGPub 20030048287], as applied to claim 1 above, further in view of Doleac et al.(hereafter "Doleac")[U.S. Pat. No. 6636877].

11. As to claims 2-3, Little further teaches that generating a representation comprises a XML schema in the form of a table describing the mappings of object names to services of the system [Abstract; e.g., Figs.1 and 4]:
- Little does not specifically teach generating a hash key corresponding to at least a portion of the retrieved command set and generating a hash object corresponding to the generated hash key.

However, hashing is a well known technique in the art. For example, in the same field of endeavor, Doleac teaches using hash tables to identify parameters associated with a set of corresponding switch commands [e.g., col.37, lines 35-55].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to generate Little's XML schema using hashing technique (i.e., by generating hash keys as indices for Little's XML schema and other relevant tables) because hashing technique would facilitates the retrieval of table content.

12. As to claim 5, Little further teaches comprising: generating a configuration schema from the retrieved command set, wherein the representation is generated from the configuration schema [e.g., Figs.1 and 4].

13. As to claims 6-7, Little further teaches that the generated hash object includes data from the configuration schema, wherein the generated hash object includes metadata. [e.g., Figs. 4 and 16-17].

14. Claims 4, 8-15 and 18-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Little et al. (hereafter "Little")[U.S. PGPub 20030048287], as applied to claims 1-3 and 5-7 above and Doleac et al. (hereafter "Doleac")[U.S. Pat. No. 6636877], as applied to claims 2-3 and 5-7 above, and further in view of Chorafakis et al.(hereafter "Chorafakis")[U.S. PGPub 20030135508], as applied to claims 16-17 above.

15. As to claim 4, Little further teaches details of converting CLI commands into corresponding XML tagged command statements [See, e.g., Figs. 2-4], wherein identifying a first level command in the retrieved command set [e.g., 200, Fig.2]; identifying a second level command in the retrieved command set [e.g., 205, Fig.2]; and concatenating at least an indication of the first level command and at least an indication of the second level command [e.g., 212 and 215, Fig.2].

Further Chorafakis teaches a system for translating CLI configuration script associated with a device into corresponding CLI configuration scripts of another device [Abstract].

Although Little does not specifically used configuration commands in the examples, however it is obvious to one of ordinary skill in the art who recognizes Little and Chorafakis's teachings would also be able to apply the same to the mapping of different levels of configuration commands.

16. As to claims 8-15 and 18-21, since the features of these claims can also be found in claims 1-7 and 16-17, they are rejected for the same reasons set forth in the rejection of claims 1-7 and 16-17 above.

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Art Unit: 2154

Robertson	[U.S. Pat. No. 6697967];
Beadles et al.	[U.S. PGPub 20030037040];
Getchius et al.	[U.S. Pat. No. 6643640];
Getchius et al.	[U.S. Pat. No. 6496843]; and
Cox et al.	[U.S. PGPub 20040225865].

18. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 days from the mail date of this letter. Failure to respond within the period for response will result in ABANDONMENT of the application (see 35 U.S.C. 133, M.P.E.P. 710.02, 710.02(b)).

Conclusion

Examiner note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the contest of the passage as taught by the prior art or disclosed by the Examiner.

Art Unit: 2154

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday (8:00-5:00) .

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571)272-3964. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(703)872-9306 for official communications; and

(571)273-3969 for status inquires draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wen-Tai Lin

February 18, 2005

Wen-Tai Lin
2/18/05